

## CLAIMS

We claim:

1           1.     A urine collection device, comprising:

2           a urine collection receptacle configured to receive urine from a human and having an  
3     inlet formed from an upper surface and a lower surface, wherein the upper surface is  
4     positioned at an angle between about five degrees and about 35 degrees relative to the lower  
5     surface;

6           a reservoir for collecting the urine received by the urine collection receptacle, wherein  
7     the reservoir is portable and is in fluid communication with the urine collection receptacle  
8     through a conduit; and

9           a pump capable of pumping a fluid without contacting the fluid, wherein the pump is  
10    in contact with a portion of the conduit between the urine collection receptacle and the  
11    reservoir for pumping urine from the urine collection receptacle to the reservoir.

1           2.     The urine collection device of claim 1, further comprising a portable frame for  
2     supporting the urine collection device.

1           3.     The urine collection device of claim 2, wherein the portable frame further  
2     comprises a plurality of wheels coupled to the frame.

1           4.     The urine collection device of claim 2, wherein the portable frame further  
2     comprises a container for holding cleaning products.

1           5.     The urine collection device of claim 1, wherein the urine collection receptacle  
2 is releasable coupled to the conduit using a quick release fitting.

1           7.     The urine collection device of claim 1, wherein the upper surface is positioned  
2 at an angle of about 25 degrees relative to the lower surface.

1           8.     The urine collection device of claim 1, wherein the urine collection receptacle  
2 further comprises a neck for collecting urine to be pumped to the reservoir, wherein the neck  
3 extends below a lower edge of the inlet.

1           9.     The urine collection device of claim 1, wherein the urine collection receptacle  
2 further comprises a seal around a perimeter of an inlet of the urine collection receptacle.

1           10.    The urine collection device of claim 1, wherein the urine collection receptacle  
2 further comprises a handle for enabling a user to position the receptacle between the user's  
3 legs.

1           11.    The urine collection device of claim 1, wherein the conduit is attached to the  
2 urine collection receptacle at a corner of the urine collection receptacle.

1           12.    The urine collection device of claim 1, further comprising an on/off switch  
2 coupled to a support device for supporting the urine collection receptacle when the urine

3 collection receptacle is not in use and configured to turn the pump on when the urine  
4 collection receptacle is removed from the support device.

1 13. The urine collection device of claim 1, wherein the pump is a peristaltic pump.

1 14. The urine collection device of claim 1, wherein the conduit is a flexible  
2 conduit.

1 15. The urine collection device of claim 14, wherein the conduit is transparent.

1 16. The urine collection device of claim 1, wherein the reservoir is connected to  
2 the conduit with a quick release fitting.

1 17. The urine collection device of claim 1, wherein the reservoir is transparent and  
2 marked to indicate the volume of urine contained in the reservoir.

1 18. The urine collection device of claim 1, wherein the reservoir includes an  
2 exhaust port.

1 19. The urine collection device of claim 1, wherein the pump is operable at  
2 varying speeds.

1           20.    The urine collection device of claim 18, further comprising a check valve  
2 coupled to the urine collection receptacle.

1           21.    The urine collection device of claim 1, further comprising a safety switch for  
2 preventing the pump from running while the pump is in an open position.

1           22.    A urine collection device, comprising:  
2           a urine collection receptacle configured to receive urine from a human and having an  
3 inlet formed from an upper surface and a lower surface, wherein the upper surface is  
4 positioned at an angle between about five degrees and about 35 degrees relative to the lower  
5 surface;  
6           a reservoir for collecting the urine received by the urine collection receptacle, wherein  
7 the reservoir is portable and is in fluid communication with the urine collection receptacle  
8 through a conduit; and  
9           a peristaltic pump capable of pumping a fluid without contacting the fluid, wherein  
10 the peristaltic pump is in contact with a portion of the conduit between the urine collection  
11 receptacle and the reservoir for pumping urine from the urine collection receptacle to the  
12 reservoir.

1           23.    The urine collection device of claim 22, further comprising a portable frame  
2 for supporting the urine collection device.

1           24.    The urine collection device of claim 23, wherein the portable frame further  
2 comprises a container for holding cleaning products.

1           25.    The urine collection device of claim 22, wherein the urine collection  
2 receptacle is releasable coupled to the conduit using a quick release fitting.

1           26.    The urine collection device of claim 22, wherein the upper surface is  
2 positioned at an angle of about 25 degrees relative to the lower surface.

1           27.    The urine collection device of claim 22, wherein the urine collection  
2 receptacle further comprises a neck for collecting urine to be pumped to the reservoir,  
3 wherein the neck extends below a lower edge of a seal.

1           28.    The urine collection device of claim 22, wherein the urine collection  
2 receptacle further comprises a seal around a perimeter of an inlet of the urine collection  
3 receptacle.

1           29.    The urine collection device of claim 22, wherein the urine collection  
2 receptacle further comprises a handle for enabling user to position the receptacle between the  
3 user's legs.

1           30.    The urine collection device of claim 22, wherein the conduit is attached to the  
2 urine collection receptacle at a corner of the urine collection receptacle.

1           31.    The urine collection device of claim 22, further comprising an on/off switch  
2   coupled to a support device for supporting the urine collection receptacle when the urine  
3   collection receptacle is not in use and configured to turn the pump on when the urine  
4   collection receptacle is removed from the support device.

1           32.    The urine collection device of claim 22, wherein the reservoir is connected to  
2   the conduit with a quick release fitting.

1           33.    The urine collection device of claim 22, wherein the reservoir is transparent  
2   and marked to indicate the volume of urine contained in the reservoir.

1           34.    The urine collection device of claim 22, further comprising a check valve  
2   coupled to the urine collection receptacle.

1           35.    The urine collection device of claim 22, further comprising a safety switch for  
2   preventing the pump from running while the pump is in an open position.

1           36.    The urine collection receptacle configured to receive urine from a human,  
2   comprising:  
3        a body having a cavity adapted to contain urine; and

1           an inlet in the body providing access to the cavity, wherein the inlet is formed from an  
2   upper surface and a lower surface, wherein the upper surface is positioned at an angle  
3   between about five degrees and about 35 degrees relative to the lower surface.

1           37.    The urine collection receptacle of claim 36, wherein the urine collection  
2   receptacle further comprises a neck for collecting urine to be pumped to the reservoir,  
3   wherein the neck extends below a lower edge of the inlet.

1           38.    The urine collection receptacle of claim 36, wherein the urine collection  
2   receptacle further comprises a seal around a perimeter of the inlet of the urine collection  
3   receptacle.

1           39.    The urine collection receptacle of claim 36, wherein the urine collection  
2   receptacle further comprises a handle coupled to an outer surface of the urine collection  
3   receptacle for enabling a user to position the receptacle between the user's legs.

1           40.    The urine collection receptacle of claim 36, wherein the conduit is attached to  
2   the urine collection receptacle at a corner of the urine collection receptacle.

1           41.    The urine collection receptacle of claim 36, further comprising a check valve  
2   coupled to the urine collection receptacle.